# SCALLOP TRAWL HAUL LOG

This log contains detailed questions about the setting and hauling of gear, and the haul's catch. Complete a new log after each hauling of gear. If you feel that you cannot go on deck for weather-related safety reasons, record as much information on this log as possible (*i.e.*, Header Information, weather, depths, times, positions, *etc.*). **If the haul is not observed because you are off-watch, complete a Scallop Trawl Off-Watch Haul Log instead of this log.**

The species summary section of this log should be used to record catches of groundfish species, debris and shells only. If any pelagic species (*i.e.*, swordfish, billfish, tuna, bonito, sharks, *etc.*), sturgeons, rays or tagged fish are caught in this haul, an Individual Animal Log must be completed to provide information on each animal. This Scallop Trawl Haul Log will serve as a cover sheet for any Individual Animal Log(s) corresponding to this haul that may follow. Marine mammals, sea turtles, and sea birds must be recorded on a Marine Mammal, Sea Turtle, and Sea Bird Incidental Take Log. See Appendix R. Species List and Corresponding Logs for a list of species and the log(s) on which to record them. If there are insufficient lines on one form for all species caught in this haul, continue listing species on an additional Scallop Trawl Haul Log, making sure to complete all of the Header Information (A-C), GEAR CODE (D), GEAR NUMBER (1) and HAUL NUMBER (E).

If information is unavailable or unknown to any question except a "No/Yes" question, record a dash (-) in the field. If the answer to a "No/Yes" question is unknown, record a "9" on the line next to the code for "No" to indicate that a field was not skipped, but the answer is unknown. If a field relates to a question to which you previously answered "No", leave the field blank.

Become familiar with the following definitions.

## DEFINITIONS

**Haul Begin:** First component of net deployed, *i.e.* net hits the water.
**Haul End:** Hauling equipment put into gear.

## INSTRUCTIONS

For instructions on completing fields **A - W**, refer to the Common Haul Log Data section of the NEFSC Observer Program Manual.

**1. GEAR NUMBER:** Record the gear number used for this haul as uniquely identified on the appropriate Scallop Trawl Gear Characteristics Log.

**2. GEAR CONDITION:** Indicate the condition of the gear at haulback, even if this was the condition of the gear when set, by recording the most appropriate two digit code listed below, and in Appendix J. Gear Condition Codes:

   00 = Unknown.
   01 = No gear damage, or very few small, scattered holes.
   02 = Wings twisted or torn, not exceeding 50% of meshes.
   03 = Wings twisted or torn, exceeding 50% of meshes.
   04 = Square and/or bosom torn, not exceeding 50% of meshes.
   05 = Square and/or bosom torn, exceeding 50% of meshes.
   06 = Belly torn, not exceeding 25% of meshes.
   07 = Belly torn, exceeding 25% of meshes.
   08 = Codend and/or extension piece torn, not exceeding 10% of meshes.
   09 = Codend and/or extension piece torn, exceeding 10% of meshes.
   10 = Hang-up, causing gear to be hauled back before scheduled time; minor damage.
   11 = Parted legs, sweep, or headrope.
   12 = Tear up exceeding gear condition of code 02, but not total net destruction.
   13 = Obstruction in the gear, such as a large amount of fixed gear, boulders, *etc.*
   14 = Crossed doors.
   15 = Open codend.
   16 = Major hang-up, tear-up, or loss of gear.
   17 = Grate clogged with fish or debris.
   99 = Other, specify in COMMENTS.

**3. BEGIN/END DATE:** Record the month, day, and

year, based on local time, that this haul began and ended.

**4.BEGIN/END TIME:** Record the local time, using the 24 hour clock (0000-2359), that this haul began and ended, *i.e.*, when the first component of the net(s) is (are) deployed, or the net(s) hit the water (Haul Begin), and when the hauling equipment is put into gear (Haul End).

**5.NET OBSERVED:** Record the net(s) from which both kept and discard data was collected for this haul by placing an "X" next to the appropriate code:

1 = Port
2 = Starboard
3 = Both
4 = Aft

> **NOTE:** **Both nets should be observed during on-watch hauls.**
>
> **NOTE:** If only one net is observed for weather or safety related reasons, record only the catch data from this net in the Species Information section.
>
> **NOTE:** **Aft refers to a single net fished over the stern of the vessel.**

**6.TOW SPEED:** Record, to the nearest tenth of a knot, the average towing speed, over the bottom, for this haul.

**7.WIRE OUT:** Record, in whole fathoms, the amount of wire paid out for this haul. This measurement is taken from the towing blocks to the trawl doors. This information may be obtained from the captain.

**8.BOTTOM TYPE:** Record the predominant bottom type for this haul by placing an "X" next to the appropriate code:

0 = Unknown.
1 = Sand.
2 = Mud.
3 = Gravel.
4 = Rocky.
9 = Other, record the bottom type on line 8A.

> **NOTE:** If the bottom type is not obvious from looking at the net, *i.e.*, mud, gravel, *etc.*, this information may be obtained from the captain.

**9.BOTTOM CHARACTERIZATION:** Record the predominant bottom characterization for this haul by placing and "X" next to the appropriate code:

00 = Unknown.
01 = Clear.
02 = Quahog Shell Covered.
03 = Surf Clam Shell Covered.
04 = Scallop Shell Covered.
05 = Starfish Covered.
06 = Sand Dollar Covered.
08 = Combination, record all bottom characterizations on line 9A.
99 = Other, record the bottom characterization on line 9A.

> **NOTE:** Do not include bottom type (substrate).

**10. NUMBER OF BUSHELS KEPT:** Record, to the nearest hundredth of a bushel, the amount of scallops, **in the shell**, kept from this haul.

> **NOTE:** If entire kept scallop weight is actual in species section of haul log then dash field.

**11. NUMBER OF BUSHELS DISCARDED:** Record, to the nearest hundredth of a bushel, the amount of scallops, **in the shell**, discarded from this haul.

> **NOTE:** If entire discard scallop weight is actual in species section of haul log then dash field.

**12. AVERAGE POUND PER BUSHEL KEPT:** Record, in whole pounds, the **average** weight per bushel of scallops, in the shell, kept from this haul.

> **NOTE:** This number should reflect the observer's average for several baskets, not the captain's estimate.
>
> **NOTE:** If number of bushels kept is zero then dash field.

**13. AVERAGE POUNDS PER BUSHEL DISCARDED:** Record, in whole pounds, the **average** weight per bushel of scallops, in the shell, discarded from this haul.

> **NOTE:** This number should reflect the observer's average for several baskets, not the Captain's estimate
>
> **NOTE:** If number of bushels discarded is zero

then dash field.

**14. CLAPPERS OBSERVED?:** Record whether **sea scallop** clappers are found in the gear from this haul by placing an "X" next to the appropriate code:

0   =   No.
1   =   Yes.

**NOTE:**   Include pounds of clappers in the species of the Haul Log with a disposition code of 054 (empty shells).

**15. WATER TEMPERATURE:** Record, to the nearest tenth of a degree Fahrenheit, the surface sea water temperature when the gear has been set and the winches are locked. The temperature must be recorded for every on-watch observed haul during the entire trip.

**NOTE:**   Use a "ScoopMaster" thermometer to obtain this temperature.

**NOTE:**   If an incidental take occurs in this haul, a WATER TEMPERATURE **must** be recorded.

**COMMENTS:** Record any additional information regarding this haul, i.e., unusual species caught, unique gear arrangements or fishing operations, etc. If more room is needed, use the back of this log, making sure to write "See Back" on the front of the log. Reference each comment with its corresponding field name.